SIEMENSUROSKOP D2/D3 (SX)

SP

Update Instructions SP016/03/S						
Title: Hardv	vare Cl	heck	Motor Dr	ive		
Reason for update) :	X Sa	fety			
Urgency:		X Im	mediate	W	ithin	months
Update materials r	required?	X Ye	S	□ No)	
Materials free of cl	harge?	X Ye	S	☐ No)	
Return of parts?		Ye	s	X No)	
Estimated completion time:		2 h		Number of CSE's:1		
Customer applicat	g? 🗌 Yes		X No	X No		
Systems/Products	s affected/	/System	identifying IV	K		
Name					0! - 1	NI -
IVAIIIE		M	aterial No.		Serial	NO.
UROSKOP D2/D3	(SX)		5 015 G5354		1050, 105	
	(SX)					
UROSKOP D2/D3		97 8	5 015 G5354			
UROSKOP D2/D3 Remark: n.a.		97 8	5 015 G5354			3 - 1186 nt status
UROSKOP D2/D3 Remark: n.a. Components affect	cted/to be	97 8 modifie	5 015 G5354		1050, 105 Compone	3 - 1186 nt status
UROSKOP D2/D3 Remark: n.a. Components affect Name	cted/to be Materia	97 8 modifie	5 015 G5354 d/IVK Serial No.		1050, 105 Compone affect	3 - 1186 nt status

 Print No.: RLL5-310.896.09.01.02
 Doc. Gen. Date: 06.03

 Replaces: n.a.
 Version 2.1; January 14, 2003

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Document Revision Level

This document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

Disclaimer

The installation and service of equipment described herein is to be performed by qualified personnel who are employed by Siemens or one of its affiliates or who are otherwise authorized by Siemens or one of its affiliates to provide such service.

Assemblers and other persons who are not employed by or otherwise directly affiliated with or authorized by Siemens or one of its affiliates are directed to contact one of the local offices of Siemens or one of its affiliates before attempting installation or service procedures.

Systems/Products Affected

UROSKOP D2 / D3 with POLYDOROS SX.

Reason for the Update

In addition to the software monitoring of the movement commands to the motor controller and the feedback from the motor controller, the output stages of the motor controller for table tilt and table longitudinal movement are switched in through additional hardware on release of the movement command and switched off again at the end of the movement command.

Prerequisites

In order to be able to make changes on boards, the service technician must have the knowledge and experience required for soldering on boards. If this is missing, a changed board must be ordered.

Special Tools / Documents

n.a.

Ordering Information

The following update kit has to be ordered from CSML (SAP Distribution Channel, factory 2050) or BU Logistics (factory BU) (only with an order via BU Logistics):

Update Kit 11 56 707 (Material Number)

List the system Serial Number on the order!

Contents of the Update Kit

Update kit 11 56 707 contains the following parts:

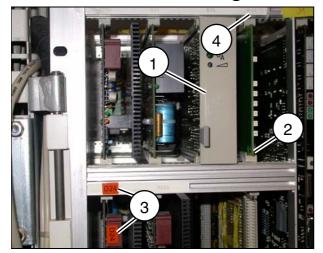
Pos.	Quan.	Material No.	Name
1	1	11 56 681	Board D23
2	1	16 61 326	Firmware BBC VA00D
3	1	11 56 699	Keyboard release update kit
4	1	16 61 334	Service software VB01E
5	1	G5403	Wiring diagram excerpts
6	1	RLL5-310.896.09.01	Technical document
7	1	SP33-03	Speed Info for the service software

Tab. 1

Return of Parts

n.a.

Hardware Changes



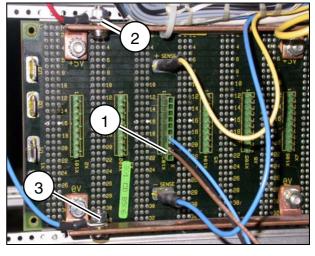


Fig. 2

- Fig. 1
 - Remove the board D25 (1/Fig. 1)
 - Swivel out the control unit M20.
 - Remove any EMC covers.
 - Fasten the socket connector for board D23 at the slot next to board D25 (2/Fig. 1). Use the supplied slotted cap screws for this. If there are no threads available in the control frame, then use self-tapping screws M2.5 x 8 with Phillips head.
 - Label the slot with D23 (4/Fig. 1).
 - Attach guide rails.
 - Plug board D25 back in.
 - Check DIP switches on board D23. Switches 3, 4 and 6 must be "ON". The position of all other switches is arbitrary.
 - Plug in board D23.

NOTE

To avoid confusion, always open only one connection in the following work steps, then connect and insulate the two ends with the leads from socket connector D23. The designation D20a is identical with the new designation D24.

- Separate the yellow lead from the cable harness to socket connector D20a, b2 and strip the two ends approx. 5 mm.
- Push shrink hose over the two yellow leads of the socket connector D23.
- Solder the lead from the socket connector D23 d10 with the end of the lead that goes to the cable harness.
- Solder the lead from the socket connector D23 d22 with the end of the lead that goes to the socket connector D20a b2.
- Insulate the solder joints with shrink hose.

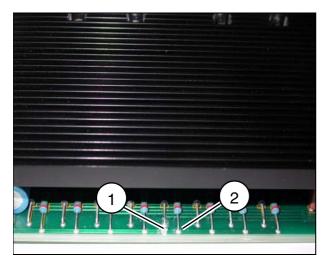
- The two gray leads of socket connector D23 d12 and d24 are not required. Insulate these individually with shrink hose.
- Separate the white lead from the cable harness to socket connector D20b, b2 and strip the two ends approx. 5 mm.
- Push shrink hose over the two white leads of the socket connector D23.
- Solder the lead from the socket connector D23 d14 with the end of the lead that goes to the cable harness.
- Solder the lead from the socket connector D23 d26 with the end of the lead that goes to the socket connector D20b b2.
- Insulate the solder joints with shrink hose.
- Separate the gray lead from the cable harness to socket connector D20b, b4 and strip the two ends approx. 5 mm.
- Push shrink hose over the two gray leads of the socket connector D23 d16 and d28.
- Solder the lead from the socket connector D23 d16 with the end of the lead that goes to the cable harness.
- Solder the lead from the socket connector D23 d28 with the end of the lead that goes to the socket connector D20b b4.
- Insulate the solder joints with shrink hose.
- Remove the plugged in leads (yellow and blue) from socket connector X 103 to X 108.
 The leads are on the backplane board D10.
- Run the prefabricated double lead from socket connector X 103 to X 108.
 The lead connections must be run from point X103.7 to X108.7 and from point X103.8 to X 108.8. Pay attention to the correct location of the plug.
- Plug the brown lead from the socket connector D23 d8 into the 10-pin socket connector X103.9
- Screw fasten the red lead from socket connector D23 d2 onto the plus rail (2/Fig. 2)
- Screw fasten the blue lead from socket connector D23 d4 onto the minus rail (3/Fig. 2)
- Reattach the EMC covers, swivel in the control unit and fasten it with screws.

Replacing the BBC-Controller Firmware

• Replace PROM J7 on board D3 with the PROM from the update kit included in delivery.

Changes on the board D3

• On board D3 solder interconnecting wire 0.25 from X11 a4 (1/Fig. 5) to X2 c27 (2/Fig. 5).



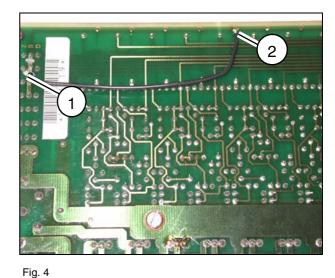


Fig. 3

Fig. 5

Conversion of the board D20a into board D24

∆CAUTION

The board 89 49 505 may no longer be used in slot D24. If these boards are installed in slot D24 then the monitoring is ineffective.

- Remove board D20a.
- Separate the connection from socket connector X1 b2 to b4 (1/Fig. 4) on the soldering side of the board and check the interruption with an ohmmeter.
- Interrupt connection between 4th and 5th resistor (1/Fig. 3) and check the interruption with an ohmmeter.
- Solder interconnecting wire 0.5 on board from socket connector X1 b4 (1/Fig. 4) to the 5th resistor (2/Fig. 3 and 2/Fig. 4) viewed from the socket connector.
- Stick label printed with the new part number 11 56 731 over the old part number 89 49 505 G5334 on board.

- Affix label D24 at position (3/Fig. 1).
- Cover old designation D20a on the frame with new label D24.

NOTE	The opportunit	service software is not required for the ty to distribute it to all systems is use oftware is released for all operating s 000 and WIN XP. Speed Info SP 33-03	ed with this U ystems
Final Check			
NOTE	All texts and cl confirmed in th	hecks marked with the symbol " 🏝 ne UI.	" must be
Set board D23	o extension.		
 Press the uprig 	ght table button or	n the system control panel or hand-held o	control panel
- The table up	rights		
- The diodes V during the mo	, ,	and V4 (yellow) on D23 light up	
- All diodes go	out approx. 3 s af	fter the button is released	
Perform and co	nfirm the above	test step in the same sequence for th	ne points lis
- Tilt table			
- Raise table			
- Lower table			
- Tilt column to	the left		
- Tilt column to	the right		
- Table longitu	dinal headwards		
- Table longitu	dinal footwards		
- Table transve	erse to the left		
- Table transve	erse to the right		
- Routine			
• •			
- 8°			

- The table moves longitudinally	
 The diodes V7 (green) and V1 (yellow) on D23 light up during the movement 	
- All diodes go out approx. 3 s after the button is released	
 Press the table tilt button on the system control panel or hand-held cor 	ntrol panel
- The table does not tilt	
- D1 (HOST) shows error message 4261	
- System control panel shows E52	
Turn the DIP switches 3 and 4 on D23 into the "ON" position	
- Press the Reset button on board D1 (HOST) to delete error	
Turn the DIP switch 6 on D23 into the "OFF" position	
Press the table tilt button on the system control panel or hand-held cor	ntrol panel
- The table tilts	
 The diodes V7 (green), V3 (yellow) and V4 (yellow) on D23 light up during the movement 	
- All diodes go out approx. 3 s after the button is released	
 Press the table longitudinal button on the system control panel or hand panel 	d-held control
- The table does not move longitudinally	
- D1 (HOST) shows error message 4262	
- System control panel shows E53	
 Turn the DIP switch 6 on D23 into the "ON" position 	
- Press the Reset button on board D1 (HOST) to delete error	

Customer Information

If the defect of an operating element (e.g. a jamming button) leads to a table movement not stopping after the end of operating the button, then one of the emergency stop buttons must be operated immediately according to the operating instructions.

Please inform the user /operator within the scope of this update once again about these circumstances as described in the operating instructions.

Final Work Steps

- Update the system documentation.
 Update the revision level, the operating instructions and the technical documentation.
 Fill out, and if needed, make a copy of the attached "Completion Protocol/ Update Completion Form" and file it in the corresponding System Binder/User Manual.
- Updates that have already been completed prior to publication of this UI must also be reported.
- The update is reported as follows:
 - The modification reply cards (Type 606) previously distributed with the publication of updates no longer apply.
 - The modification reply report has to be prepared by authorized personnel using an application on the Intranet.)

Changes to Previous Version

n.a.

Completion Protocol

The update with	the number SP016/03/S	has been completed	d.
Material number	:		
Serial number:			
Customer:		Functional Location	n:
Customer No.:			
Name (CSE):		Telephone:	
Country:		Location:	
Date:		Signature:	
Remark:			
NOTE	After completing the u		f this page, fill it out and file Manual.